

COPY

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001786

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C12P 7/06, C12N 1/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C12P, C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, MEDLINE, BIOSIS, EMBASE, CHEM.ABS.DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4840903 A (JUNG FU WU), 20 June 1989 (20.06.1989), column 2, line 58 - line 63, abstract --	1-33
Y	STN International, File CAPLUS, CAPLUS accession no.1953:73325, document no. 47:73325, Beckman, C.H. et al: "The growth of oak wilt fungus with various vitamins and carbon and nitrogen sources"; & Phytopathology (1953), 43, 441-7 --	1-33
A	US 5372939 A (STANLEY M. LASTICK ET AL), 13 December 1994 (13.12.1994) --	1-33

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

21 March 2005

Date of mailing of the international search report

30-03-2005

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Swedish Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4591560 A (KEIJI KAINUMA ET AL), 27 May 1986 (27.05.1986), column 4, line 38 - line 50 --	1-33
A	M. GALBE et al, "A review of the production of ethanol from softwood" Appl. Microbiol Biotechnol 2002, Vol. 59, p. 618-628, see page 622 "Enzymatic hydrolysis and fermentation"- page 624 --	1-33
A	YE SUN et al, "Hydrolysis of lignocellulosic materials for ethanol production: a review" Bioresource Technology 2002, Vol. 83, p. 1-11, see page 5, right column, last paragraph; page 8 right column, last paragraph --	1-33
A	T.R. NAG RAJ, "New Zealand Fungi 21. Chalara (Corda) Rabenhorst", New Zealand Journal of Botany 1974, Vol. 12, p. 115-129, see page 117, right column --	1-33
A	DATABAS WPI Week 198116 Derwent Publications Ltd., London, GB; Class D16, AN 1981-29047D & WO 8100857 A (BIOTECH RES INST et al), 2 April 1981 (1981-04-02) abstract -- -----	1-33

INTERNATIONAL SEARCH REPORT

Information on patent family members

01/03/2005

International application No.

PCT/SE 2004/001786

US	4840903	A	20/06/1989	NONE		

US	5372939	A	13/12/1994	NONE		

US	4591560	A	27/05/1986	DK	17884 A	18/07/1984
				JP	1476618 C	27/01/1989
				JP	59113894 U	01/08/1984
				JP	59140896 A	13/08/1984
				JP	63026999 B	01/06/1988
